

WHAT IS CLAIMED IS:

1. An image display apparatus connected to an external unit, comprising:

5 a receiving section which receives remote-control codes sent from a remote-control terminal;

a memory which stores conversion information that causes identification information about remote-control code groups acceptable to the external unit to correspond to the external unit;

10 a converting section which converts the remote-control codes received by the receiving section into remote-control codes acceptable to the external unit on the basis of the conversion information;

15 a transmitting section which transmits the remote-control codes created by the converting section to the external unit;

a detecting section which detects a change in the state of the external unit corresponding to a specific operation by use of the remote-control terminal;

20 a setting-up section which, when a change in the state of the external unit has been sensed, determines identification information about the remote-control code group including the remote-control code making the change in the state, creates the conversion information so as to correspond to the external unit, and stores  
25 the conversion information into the memory; and

a control section which, when the conversion

information is not stored in the memory, creates the conversion information and stores the information into the memory.

2. The image display apparatus according to  
5 claim 1, wherein

the specific operation is the operation of turning on and off the power supply of the external unit, and the detecting section monitors a video signal outputted from the external unit and detects a change  
10 in the on and off state of the external unit.

3. The image display apparatus according to claim 1, wherein

when the detecting section has not detected a change in the state of the external unit after the remote-control codes corresponding to the specific  
15 operation in all of the remote-control code groups have been transmitted,

the setting-up section informs the user that the detecting section has not detected a change in the  
20 state of the external unit.

4. The image display apparatus according to claim 1, wherein

when a specific standby time is required from when the remote-control code is sent until the state of the  
25 external unit has changed,

the setting-up section divides the remote-control codes into a plurality of groups, transmits

the remote-control codes consecutively on a group basis, waits for the elapse of the standby time, repeats the transmitting and waiting steps, and determines identification information about the remote-control code groups asymptotically.

- 5        5. A method of setting up an image display apparatus connected to an external unit, comprising:
  - a first step of receiving remote-control codes sent from a remote-control terminal;
  - 10        a second step of storing conversion information that causes identification information about remote-control code groups acceptable to the external unit to correspond to the external unit;
  - a third step of converting the remote-control codes received into remote-control codes acceptable to the external unit on the basis of the conversion information;
  - 15        a fourth step of transmitting the remote-control code created in the third step to the external unit;
  - 20        a fifth step of detecting a change in the state of the external unit corresponding to a specific operation by use of the remote-control terminal;
  - a sixth step of, when a change in the state of the external unit has been sensed in the fifth step, determining identification information about the remote-control code group including the remote-control code making the change in the state, creating the
- 25

conversion information so as to correspond to the external unit, and storing the conversion information into the memory; and

5 a seventh step of, when the conversion information is not stored in the memory, creating the conversion information and storing the information into the memory.

6. The method according to claim 5, wherein the specific operation is the operation of turning  
10 on and off the power supply of the external unit, and

the fifth step is a step of monitoring a video signal outputted from the external unit and detecting a change in the on and off state of the external unit.

7. The method according to claim 5, further  
15 comprising:

an eighth step of, when a change in the state of the external unit has not been detected in the detecting step after the remote-control codes corresponding to the specific operation in all of the  
20 remote-control code groups have been transmitted, informing the user that a change in the state of the external unit has not been detected.

8. The method according to claim 5, wherein when a specific standby time is required from when  
25 the remote-control code is sent until the state of the external unit has changed,

the fourth step is a step of dividing

the remote-control codes into a plurality of groups and transmitting the remote-control codes consecutively on a group basis,

5       the fifth step is a step of detecting a change in the state of the external unit after the standby time has elapsed since the consecutive transmission of the remote-control codes, and

10       the sixth step is a step of repeating the transmitting step and the detecting step and determining identification information about the remote-control code groups asymptotically.